INSTRUCTION BOOK FOR

Curved Multi Format Imager

DA-LITE®

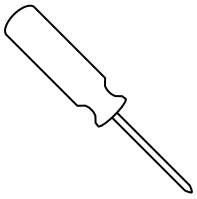
Important Safety Instructions

When using your video equipment, basic safety precautions should always be followed, including the following:

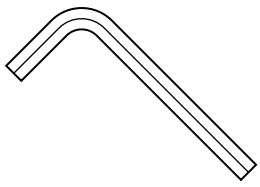
1. Read and understand all instructions before using equipment.
2. Close supervision is necessary when any appliance is used by or near children. Do not leave appliance unattended while in use.
3. Care must be taken as burns can occur from touching hot parts.
4. Do not operate appliance if it has been dropped or damaged until it has been examined by a qualified service technician.
5. To reduce the risk of electric shock, do not immerse this appliance in water or other liquids.
6. The use of an accessory attachment not recommended by the manufacturer may cause risk of fire, electric shock or injury to persons.

Save These Instructions

Tools Required for Installation



Phillips Screwdriver



1/8" Allen Wrench

Pre-Installation

The screen will arrive in three separate cardboard boxes. One box will be very long and will house the 4.75" x 8.00" top and bottom main frame parts, the 1.50" x 1.50" frame parts, hardware and wall switch. The second cardboard box will house the 4.75" x 8.00" side main frame parts. The third cardboard box will house the fabric for the Curved Da-Snap Screen.

Have space for this available on a flat clean surface such a large table or floor. The work area should be larger than the frame size. If the floor is used, clean papers should be spread to keep all dirt from the screen surfaces. Do not use newspaper..

Da-Snap Frame Assembly

1. Inside each box the frame pieces will be individually paper wrapped and taped. Remove all paper from pieces.
   Do not use a utility knife to remove paper from pieces.
2. Unpack the 1.50" x 1.50" frame parts and fabric from the cardboard boxes. DO NOT unroll the screen surface at this time.
3. Slide the frame pieces together at corners. Secure frame pieces with #10 black screws provided. Do not tighten screws until all are started, and then tighten (Figure 1).

   NOTE: The frame pieces are labeled "TOP" and "BOTTOM". Be sure the frame pieces are assembled according to the labels. This will ensure the snap pattern on the frame and screen surface will match.
4. Unroll the screen on a clean surface. Do not use newspaper. Place screen surface over the frame, and while holding the frame with one hand, snap the screen surface onto the frame with the other hand while maintaining a steady pull on the surface. Start with the four corners.
5. Set assembly aside; it will be attached to the main frame.

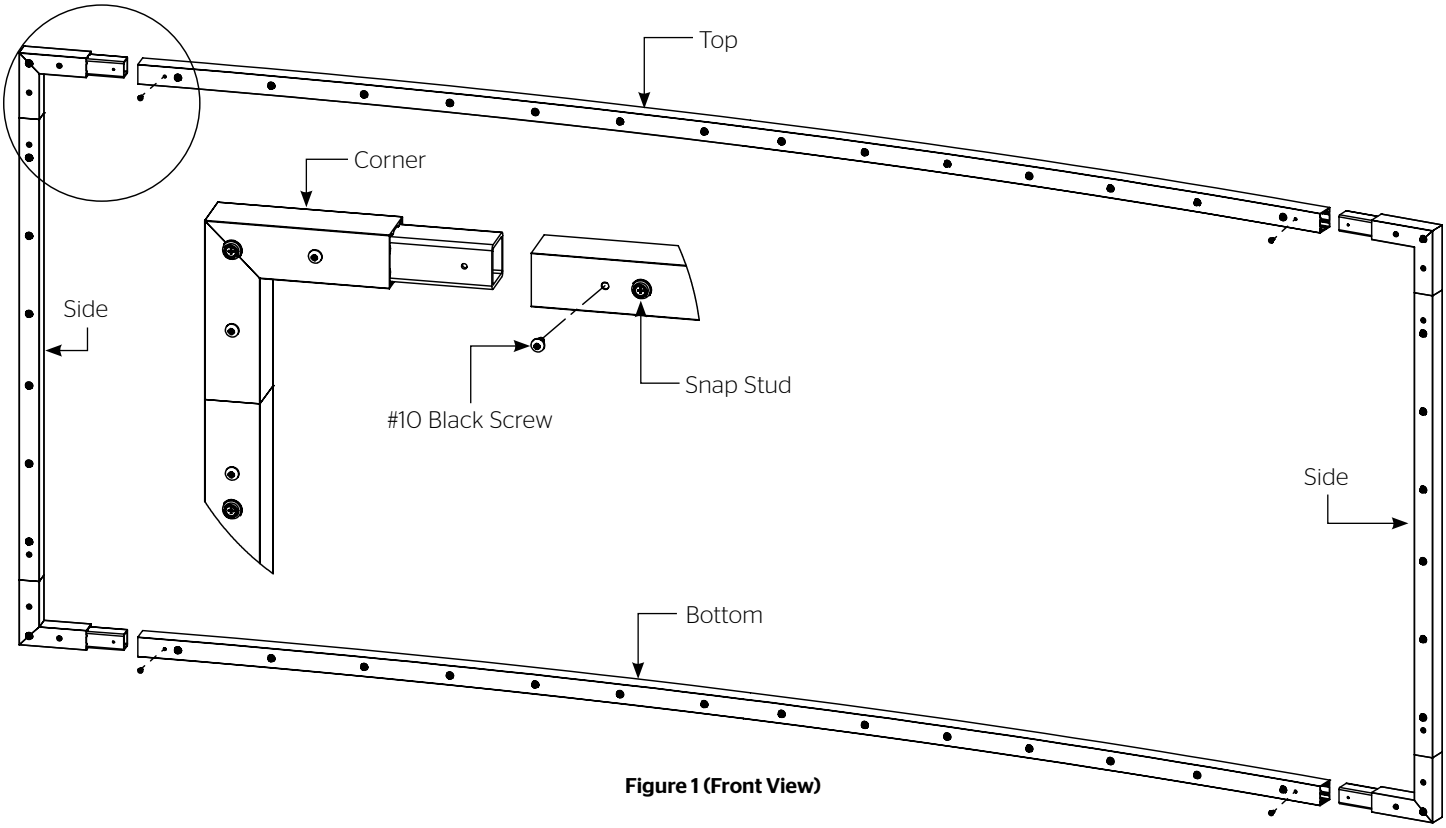


Figure 1 (Front View)

Curved Multi Format Imager Assembly

1. Lay frame pieces out on the floor or table as shown in Figure 2. The bottom frame assembly has the junction box attached to it. The side frame assemblies have the rollers and motors attached to them.
2. Assemble left side of frame to the top of frame (**NOTE:** Figure 2 is looking from the back of frame). The large L-bracket will slide into the aluminum extrusion while the small L-bracket will slide into the frame channel. When sliding the bracket into the top frame assembly, guide the slat roller carriage into the top aluminum guide track as shown in Figure 3.
3. Fasten (3) #10 x 3/8" button head screws through top of frame into the large L-bracket. Tighten two screws on flat small L-bracket to line up the front surfaces as shown in Figure 4.

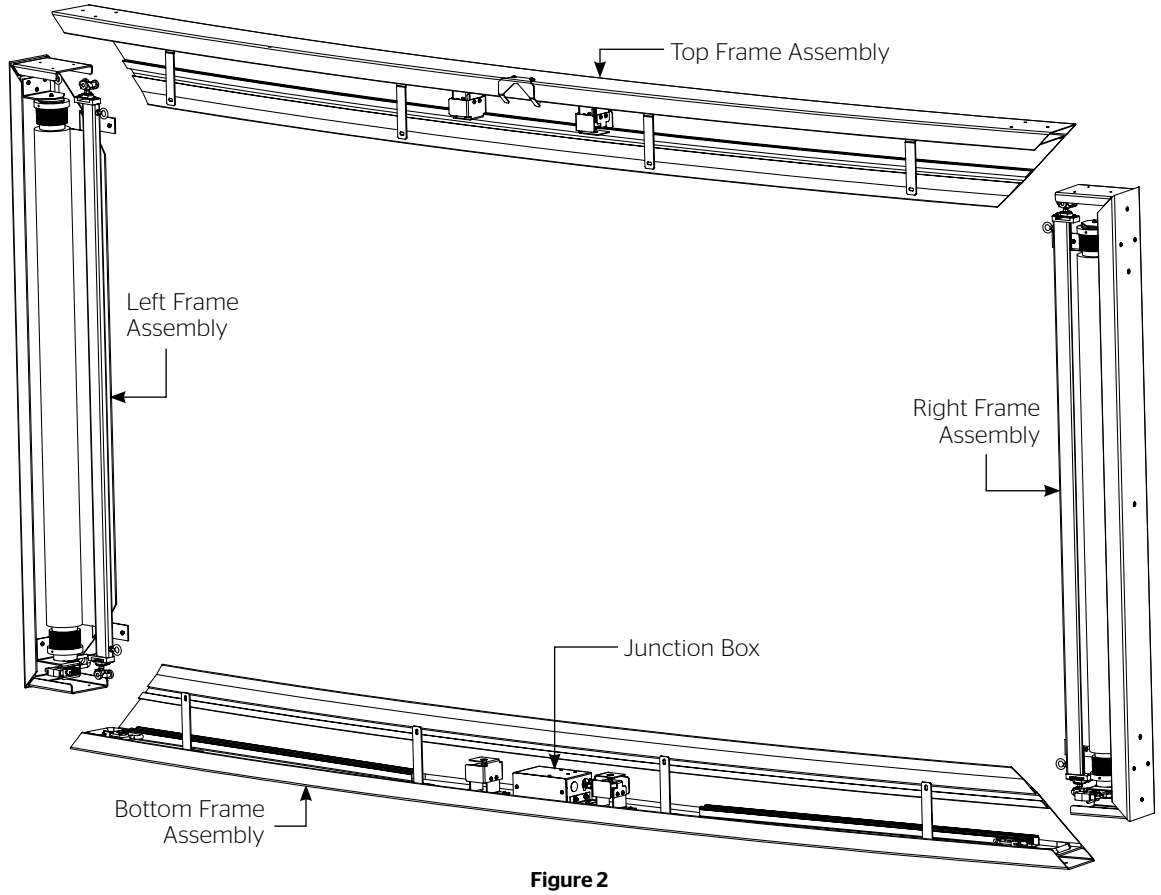


Figure 2

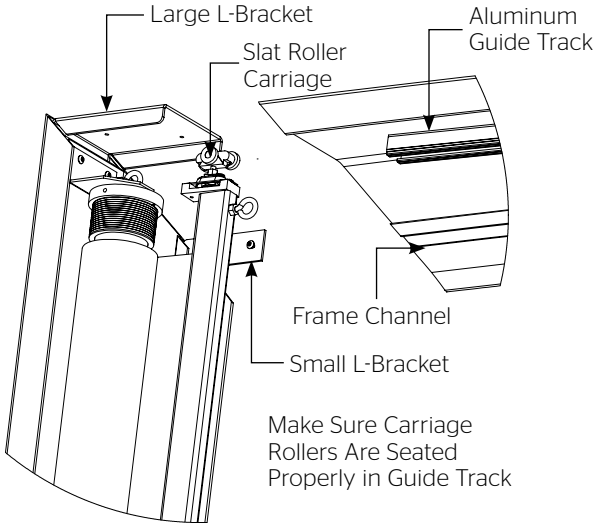


Figure 3

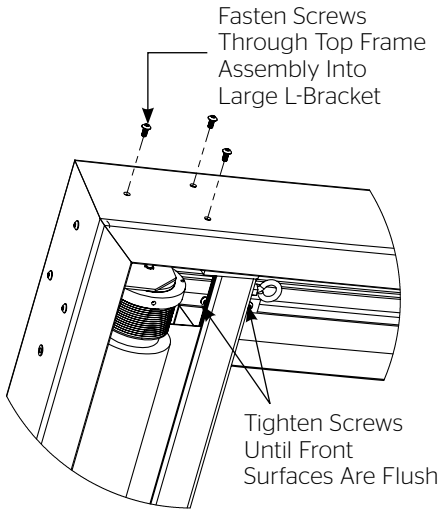


Figure 4

4. Assemble bottom end of left frame assembly to end of bottom frame assembly. The large L-bracket will slide into the aluminum extrusion while the small L-bracket will slide into the frame channel. When sliding the bracket into the bottom frame assembly, guide the slat roller carriage into the bottom aluminum guide track. See Figure 5.
5. Route the two cable assemblies around motor bracket and plug the 3 wire male connector into the 3 wire female connector on the motor bracket. The motor will have a gray data cable with and RJ-45 connector and RJ-45 coupler on the end coming out of the head of the motor. Plug the connector of the cable assembly into the RJ-coupler. Tuck the RJ- coupler underneath motor bracket securely to prevent entanglement as shown in Figure 5.
6. Fasten (3) #10 x 3/8" button head screws through bottom of frame into the large L-bracket. Tighten two screws on flat small L-bracket to line up the front surfaces. See Figure 6.
7. Assemble right side of frame to top and bottom frame assemblies. The two large L-brackets will slide into top and bottom aluminum extrusion while the two small L-brackets will slide into the frame channel. When sliding the right side assembly into the aluminum extrusion, guide the slat roller carriage into the top and bottom aluminum guide tracks as shown in Figure 7.
8. Fasten (3) #10 x 3/8" button head screws through top and bottom of frames into the large L-brackets. Tighten two screws on each flat small L-bracket to line up the front surfaces.

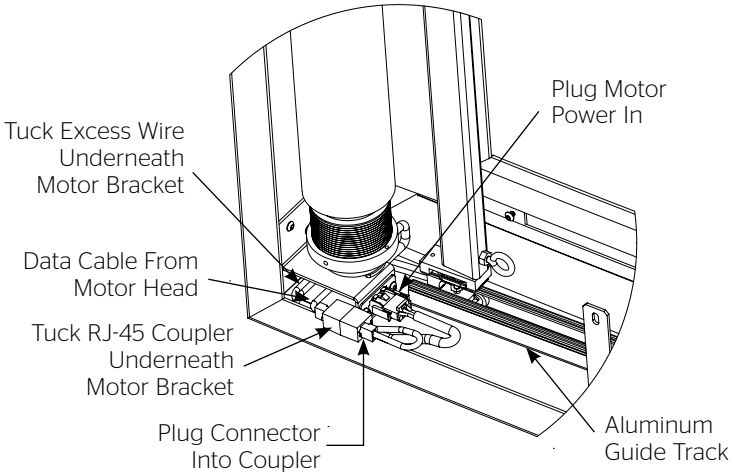


Figure 5

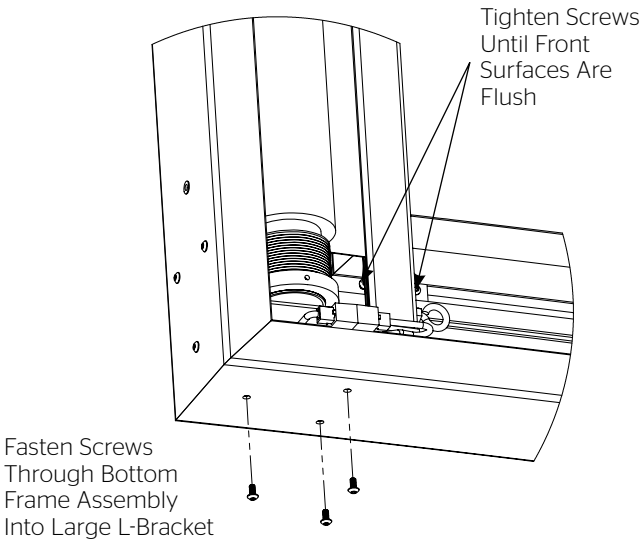


Figure 6

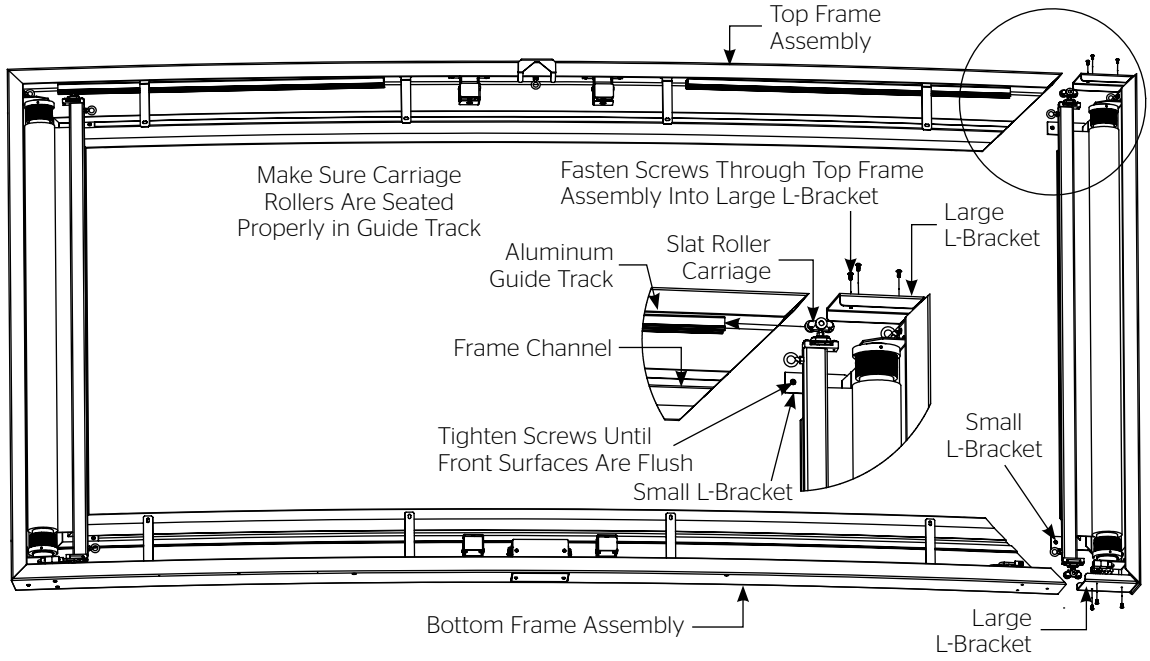


Figure 7

9. Route the two cable assemblies around motor bracket and plug the 3 wire male connector into the 3 wire female connector on the motor bracket. The motor will have a gray data cable with and RJ-45 connector and RJ-45 coupler on the end coming out of the head of the motor. Plug the connector of the cable assembly into the RJ-coupler. Tuck the RJ-45 coupler underneath motor bracket securely to prevent entanglement as shown in Figure 8.

10. Remove tape from the black steel wire tension cable located at the bottom left side assembly. Remove wire tie from the cable assembly. Run black steel wire tension cable down around pulley at end and bring back towards the end. You may have to pull slightly hard and clip the tension cable to the eyebolt secured in the slat bar as shown in Figure 9. Be careful not to pinch your fingers in the spring. Repeat this step for bottom right corner of screen.

    Note for 192" Wide Screens Only: Move black steel wires away from the front of the screen over and behind the steel pin located between the end of the aluminum guide track and the pinch guard.

11. Remove tape from the black steel wire tension cable located at the top left side assembly. Remove wire tie from the cable assembly. This cable assembly will have an extra safety wire ran through the spring. Run black steel wire tension cable down around pulley at end and bring back towards the end. You may have to pull slightly hard and clip the tension cable to the eyebolt secured in the slat bar as shown in Figure 10. Be careful not to pinch your fingers in the spring. Repeat this step for top right corner of screen.

    Note for 192" Wide Screens Only: Move black steel wires away from the front of the screen over and behind the steel pin located between the end of the aluminum guide track and the pinch guard.

12. Attach end of safety cable to eyebolt in middle of screen. Repeat this step for top right corner of screen.

13. Carefully slide the Da-Snap frame inside the main frame as per Figure 11. First, slide the bottom under the bottom brackets, then the top, under the top brackets. Lift Da-Snap frame against the inside top and bottom brackets, align holes and attach with black knobs.

At this point, preparations are needed to provide electrical power to unit; see wiring diagrams beginning on page 9.

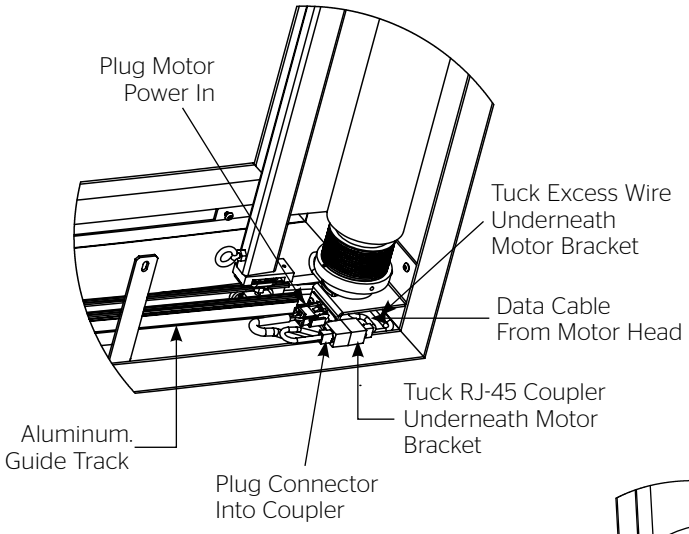


Figure 8

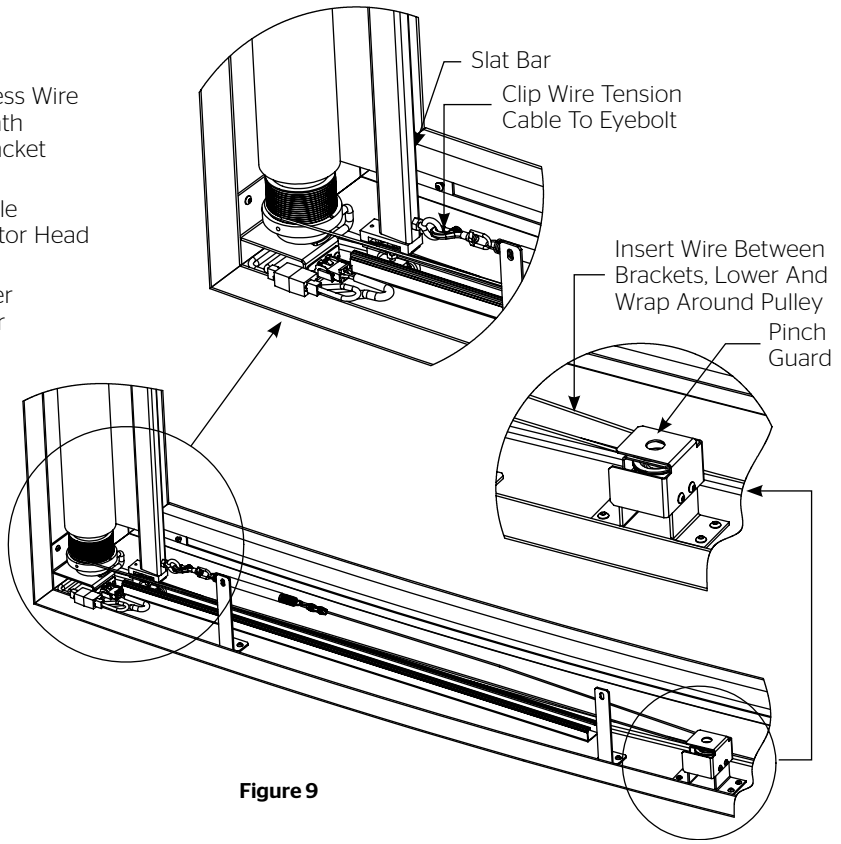


Figure 9

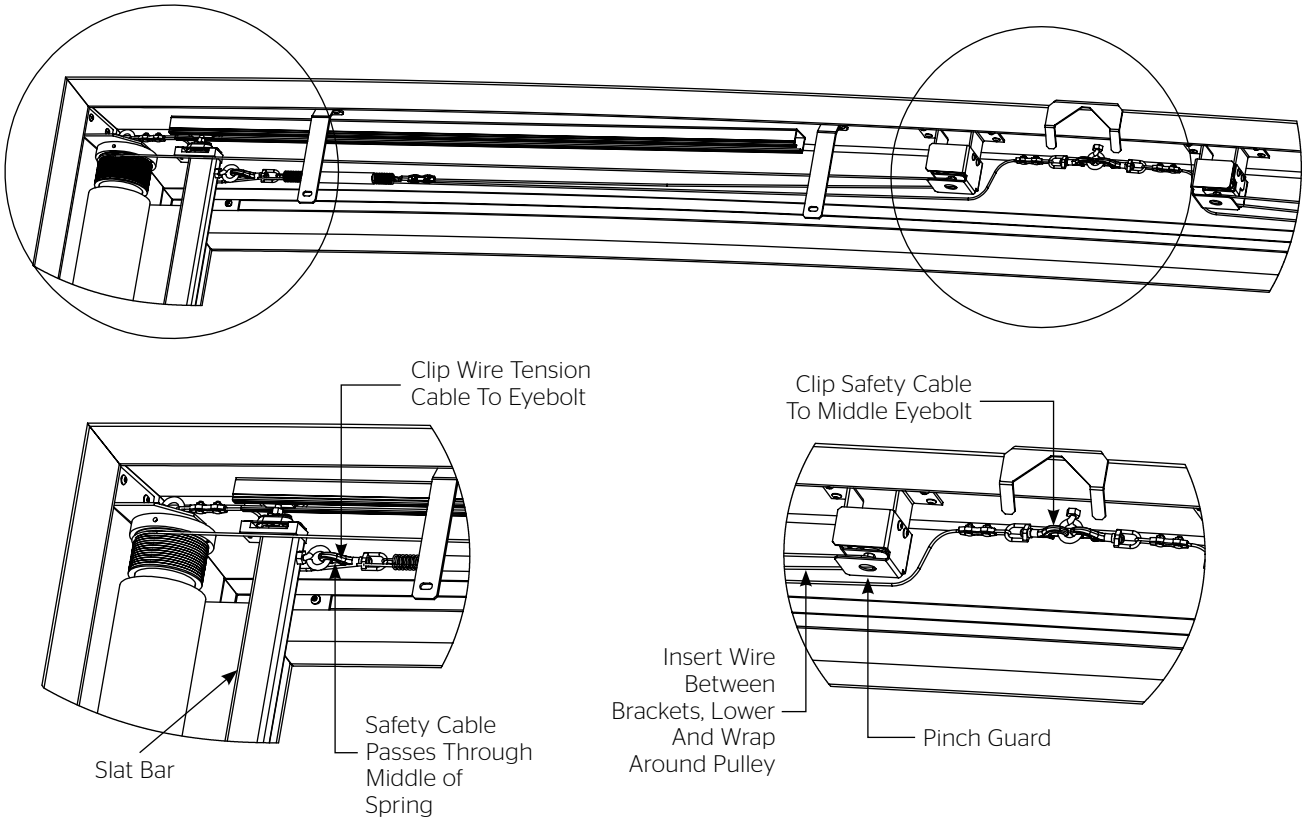


Figure 10

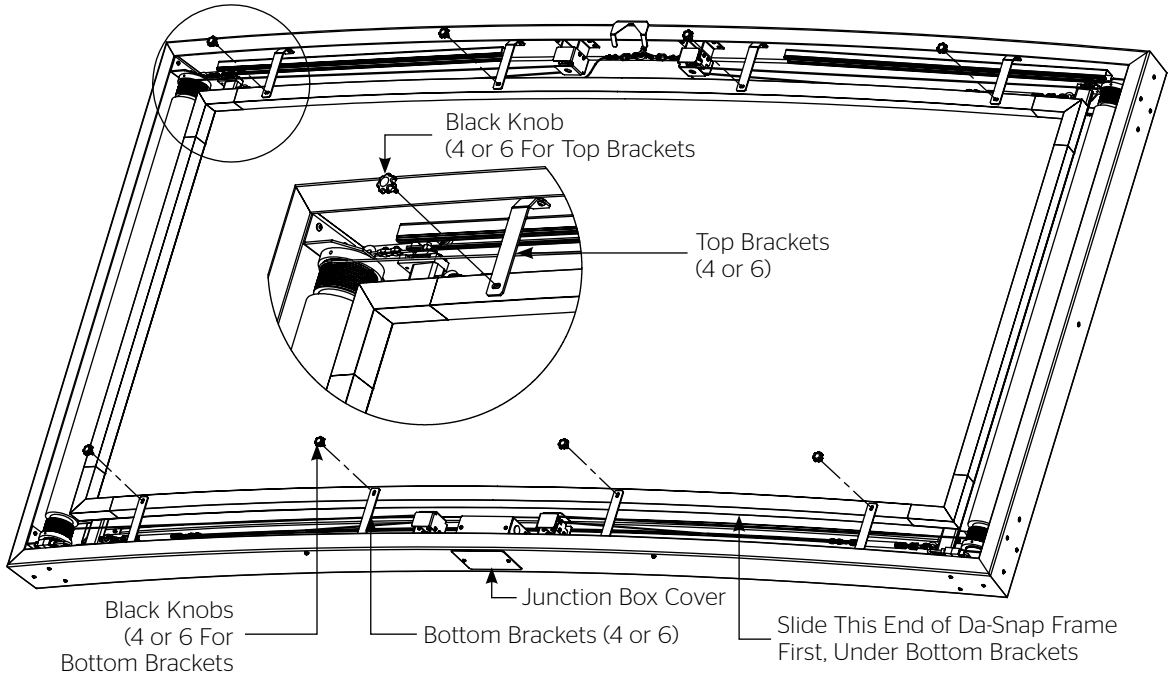


Figure 11

Curved Multi Format Imager Installation – Wall Mount

1. The screen is shipped with one wall hanger board. Two small brackets are included to hold the frame securely to wall at the bottom.
2. The wall hanger board must be mounted into at least four wall studs; it must be horizontally leveled.
3. Secure wall hanger board to wall studs at the desire height. Drill holes and attach wall hanger board into wall. You will need about 3" clearance above the top surface of the board. It is recommended to use a 1/4" x 2-1/2" lag screw and 1/4" flat washer (not supplied) to fasten the board to wall.

   NOTE: the top surface of the wall hanger board will align the top surface of the screen.
4. This step must be done by a lifting device or enough people to safely lift the weight of the screen over the wall hanger board. Lift the screen about 3" over the wall hanger board.
5. Align the wood guide of the board with the metal guide of the screen. Make sure the sides of the screen are located at the same distance from the wall.
6. Move the screen until slightly touches the wall and let it come down slowly until it rests on the metal brackets. There is a lip on the back of the frame that slides down on the surfaces of the two metal brackets.
7. Attach two small brackets to the bottom of the frame with two #10 x 3/8" button head screws. Secure brackets to wall with two screws (not supplied).
8. Attach two side covers with (6) #10 x 3/8" button head screws.

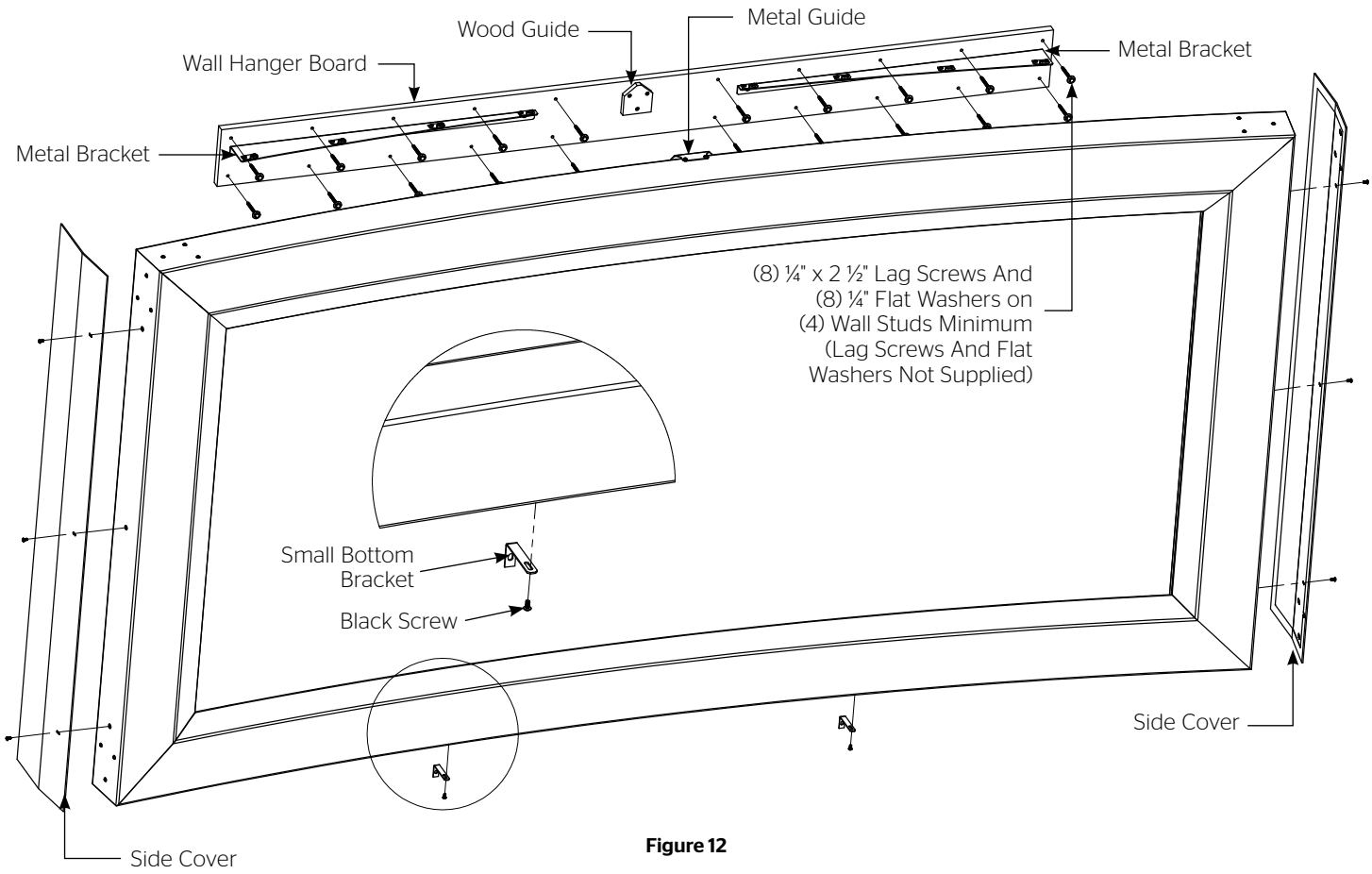


Figure 12

Multi Format Imager Wiring Diagram

1. To connect power to unit locate junction box cover on bottom frame assembly. There will be two black screws holding the wiring box cover on as shown in Figure 13.
2. Install electrical connections. Make sure to review the wiring diagram for proper hook up as shown in Figure 14.

   NOTE: Must be installed in accordance with the requirements of the Local Building Codes, the Canadian Electrical Code (CEC), CAN/CSA C22.1 and the National Electric Code (NEC), NFPA 70. An appropriate disconnect device shall be provided as part of the building installation.

   NOTE: Be sure the unit is wired to a branch circuit rated no less than 20A.

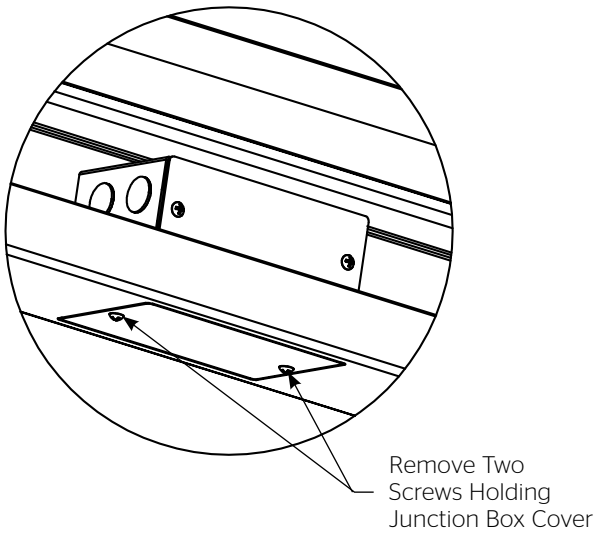
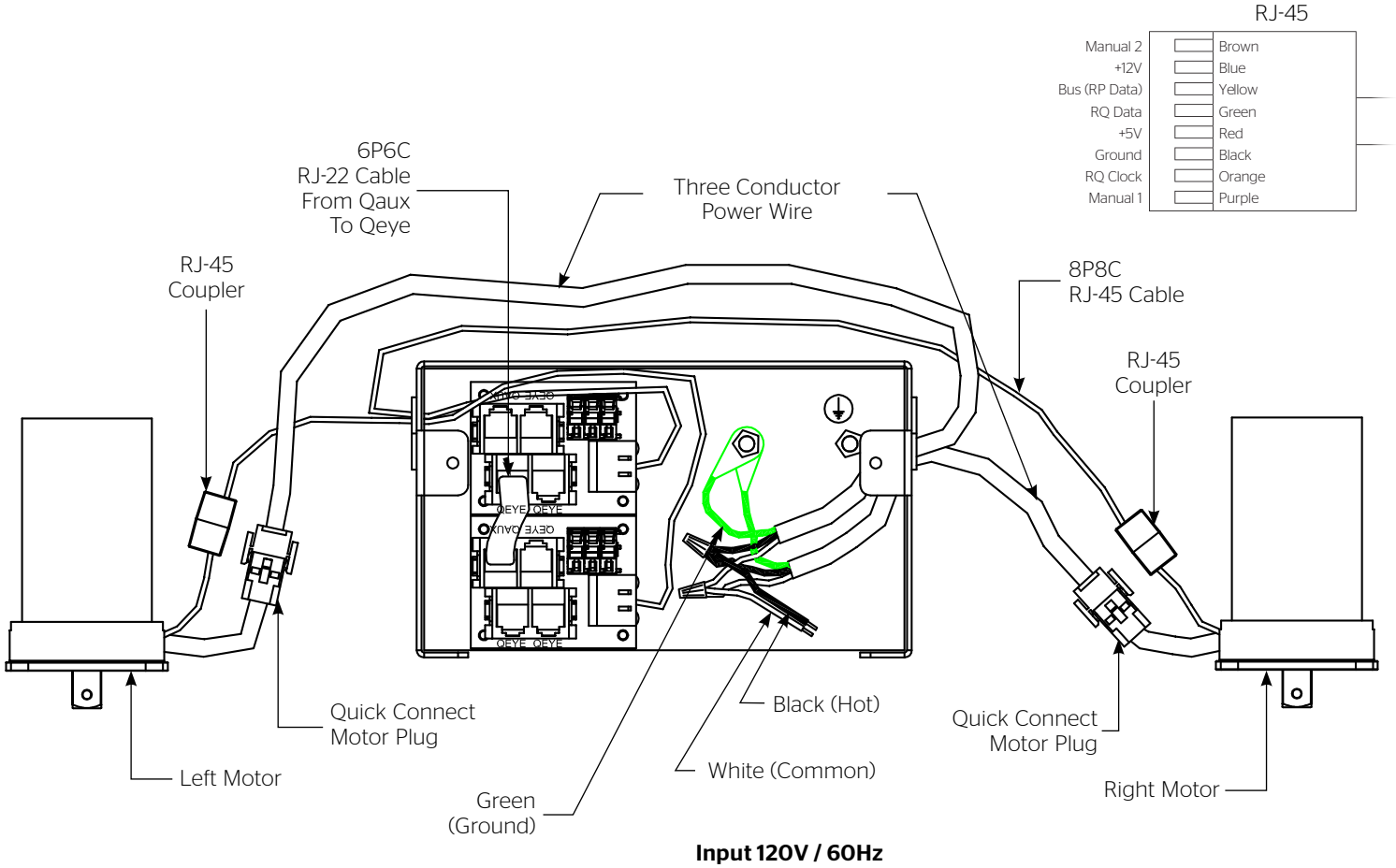


Figure 13



Input 120V / 60Hz

Figure 14

Multi Format Imager Wiring Diagram

Connect IR eye to splitter for screen operation. IR eye shall be plugged into a QEYE port on the primary splitter as shown in Figure 15.

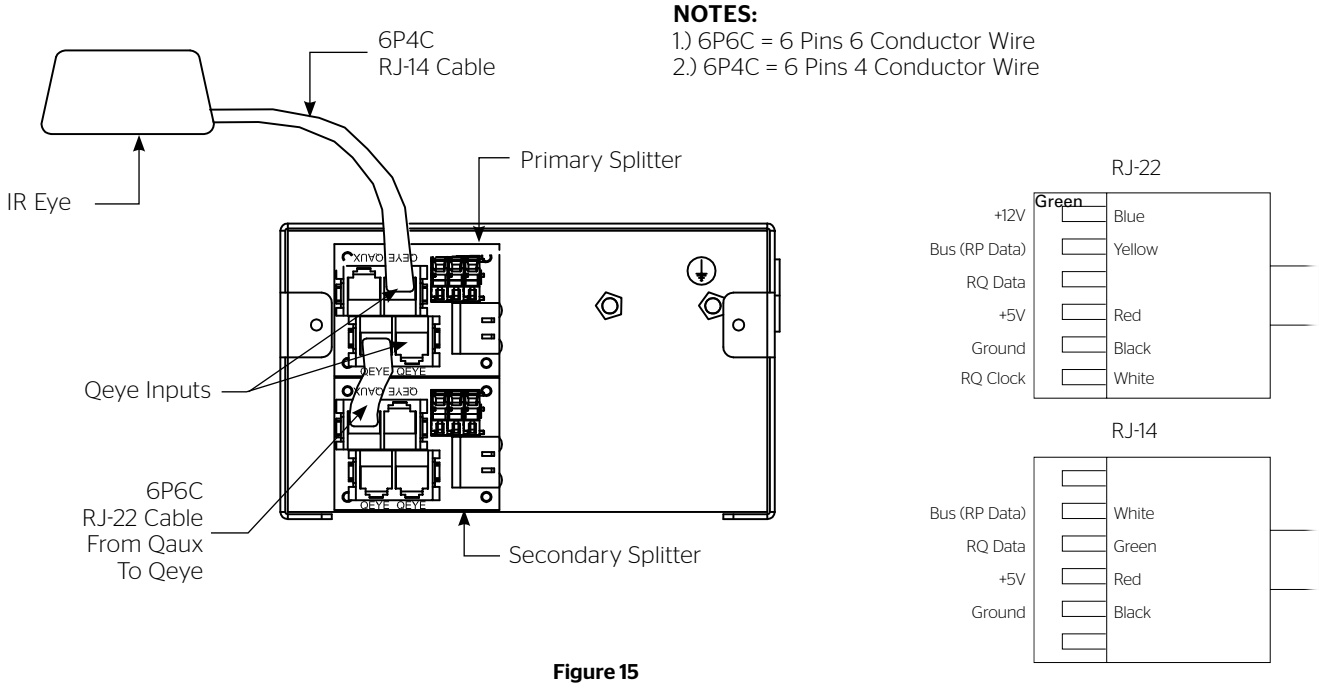


Figure 15

Multi Format Imager Operation

The Multi-Format Imager has been preset to five different formats. The screen can be set to any format by simply pressing the corresponding button on the remote. Below is a list of each button function.

IMPORTANT When operating the switch, press and release the buttons. DO NOT hold the button for more than five (5) seconds or the button will be reprogrammed to the current screen position.

Test installation by carefully running mask surfaces in and out 2-3 times. Be prepared to stop screen. Standard Duty Cycle: 1 MIN.ON./3 MIN.OFF.

4 - Sets format to NTSC (1.33:1)

3 - Sets format to HDTV (1.78:1)

2 - Sets format to Letterbox (1.85:1) format.

1 - Sets format to Cinemascope (2.35:1) format.

OPEN - Sets format to Cinemascope (2.40:1) format.

STOP - Stops the masks at any position when pressed.

<> - Individual control of left and right mask.

⚠ **CAUTION! Excessive continuos operation may cause overheating. If motor overheats do not press on remote and allow motor to cool for 30 minutes.**

⚠ **ATTENTION! Le fonctionnement continu et excessif peut provoquer une surchauffe. Si le moteur surchauffe, n'utilisez pas la télécommande et laissez le moteur refroidir pendant 30 minutes.**

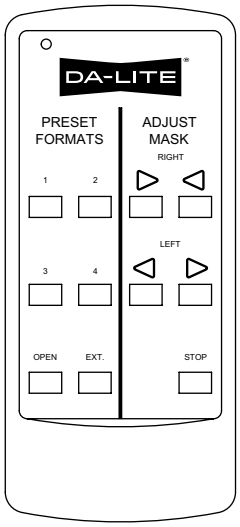


Figure 16

Multi Format Imager Intermediate Stop Adjustment

1. To adjust intermediate stopping positions make sure both masks are completely retracted into the frame. Press the left mask ">" button. The mask will start to move outward. Press the stop button at the position you want it set to. If you go too far outward press the left mask "<" button and the mask will retract back into the case.
2. Press the right mask"<" button. The mask will start to move outward. Press the stop button at the position you want it set to. If you go too far outward press the right mask ">" button and the mask will retract back into the case.
3. Once both masks are at the desired stopping position. Press and hold Preset 1, Preset 2, Preset 3 or Preset 4 button on remote for 10 seconds.
4. Repeat steps 1 thru 3 for other Preset locations.

Multi Format Imager Limit Travel Adjustment

1. To make limit travel adjustments you will need the 3-button low voltage wall switch that was shipped with your masking screen.
2. Locate the junction box cover on bottom frame assembly. Remove two screws holding junction box cover on the bottom of frame.
3. Unplug the 6P6C cable that goes from QEYE of primary splitter to QAUX of secondary splitter as shown in Figure 17.
4. Unplug the IR eye end of the 6P4C cable that goes from the QEYE of primary splitter to the IR eye.
5. To adjust travel of left mask. Plug the 6P4C cable into the back of wall switch as shown in Figure 18. The wall switch LED will blink green twice when the 6P4C cable is plugged in.

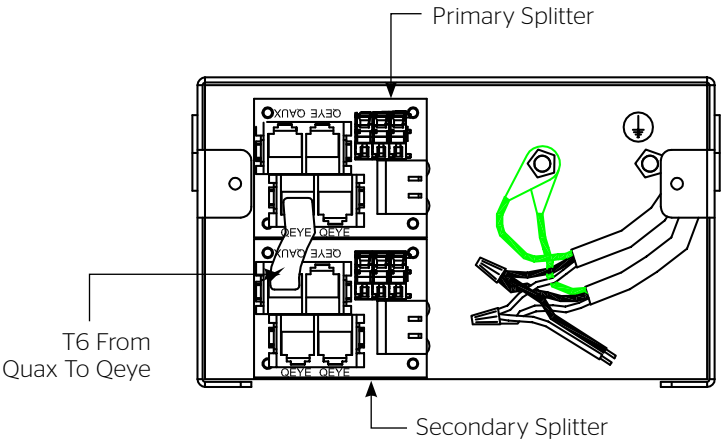


Figure 17

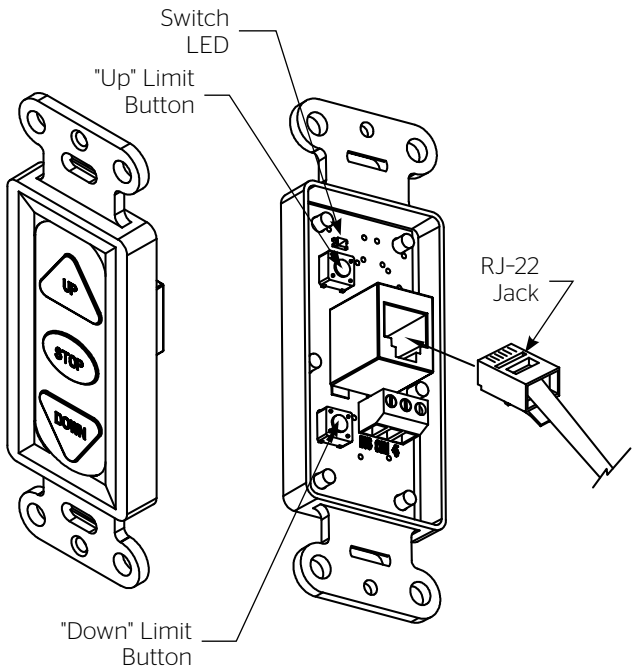


Figure 18

6. Locate the two tactile buttons on the back of the switch. They are square silver with black round buttons as shown in Figure 18.
7. To adjust how far the mask travels outward towards the middle of masking screen, press and hold the down tactile button until the LED on back of switch turns solid red. This will put the motor in limit set mode. Turn the wall switch over and use the down button on front of switch. Press and hold until the desired travel position is reached. If you travel to far outward you can press the up to move mask inward. If you press and let go of either up or down button the motor will do a small jog in that direction for finer adjustment of mask. Once desired position is reached turn switch over press and hold the down tactile button until the LED on back of switch blinks red twice. The outward travel limit is now set.
8. To adjust how far the mask travels inwards away from the middle of making screen, press and hold the up tactile button until the LED on back of switch turns solid green. This will put the motor in limit set mode. Turn the wall switch over and use the up button on front of switch. Press and hold until the desired travel position is reached. If you travel to far inward you can press the down to move the mask outward. If you press and let go of either up or down button the motor will do a small jog in that direction for finer adjustment of mask. Once desired position is reached turn switch over press and hold up tactile button until the LED on back of switch blinks green twice. The inward travel limit is now set.
9. To test limit switch setting, press and release the up or down button on the wall switch to operate the mask.
10. To adjust travel of right mask. Unplug the 6P4C cable from the QEYE of primary splitter and plug into the QEYE of secondary splitter.
11. Locate the two tactile buttons on the back of the switch. They are square silver with black round buttons as shown in Figure 18.
12. To adjust how far the mask travels outward towards the middle of masking screen, press and hold the up tactile button until the LED on back of switch turns solid green. This will put the motor in limit set mode. Turn the wall switch over and use the up button on front of switch. Press and hold until the desired travel position is reached. If you travel to far outward you can press the down to move mask inward. If you press and let go of either up or down button the motor will do a small jog in that direction for finer adjustment of mask. Once desired position is reached turn switch over press and hold the up tactile button until the LED on back of switch blinks green twice. The outward travel limit is now set.
13. To adjust how far the mask travels inwards away from the middle of making screen, press and hold the down tactile button until the LED on back of switch turns solid red. This will put the motor in limit set mode. Turn the wall switch over and use the down button on front of switch. Press and hold until the desired travel position is reached. If you travel to far inward you can press the up to move the mask outward. If you press and let go of either up or down button the motor will do a small jog in that direction for finer adjustment of mask. Once desired position is reached turn switch over press and hold down tactile button until the LED on back of switch blinks red twice. The inward travel limit is now set.
14. Replace the 6P6C cable that goes from QEYE of primary splitter to QAUX of secondary splitter as shown in Figure 17.
15. Unplug the 6P4C cable from the QEYE of secondary splitter and plug back into the QEYE of primary splitter.
16. Unplug the 6P4C cable from the back of wall switch and plug back into IR Eye.
17. Replace junction box cover.
18. Reset intermediate stopping positions. (See Intermediate Stop Adjustment).

Troubleshooting

Visit www.da-lite.com to find installation and troubleshooting videos and tutorials. You will also find a link to Live Chat for interactive support and you can contact us by email at info@da-lite.com or by phone at (800) 622-3737 or (574) 267-8101 with any troubleshooting questions.

Symptom	Cause	Solution
Masking System will not operate. Motor does not hum.	Incorrect line voltage.	Verify 115-125V (or 220-240V). If insufficient voltage, rewire incoming electric line.
	Blown fuse.	Replace fuse.
	Tripped circuit breaker.	Reset circuit breaker.
	No power to junction.	Check above. Tighten all loose wire connections. Correct any improper connections. Check for power across black and white leads.
Screen will not operate and motor does not hum. **Power at junction box.**	Thermal overload tripped.	Let motor cool down for 30 minutes. Try again.
	Defective motor, limit switch or capacitor.	Replace motor assembly. NOTE: Motor is a sealed assembly.
	Capacitor burned out.	Replace motor assembly.
Masking System does not stop at correct position.	Limit switch out of adjustment.	See Limit Travel Adjustment section.
Noise. **NOTE: Masking Systems will operate with a low pitched hum.**	Squeaking, rubber end plug rubbing on motor.	Center roller in case.
	Grinding. Foreign object in screen rubbing on roller or fabric.	Remove.
	Gear noise.	Replace motor assembly.
Coasting.	Defective brake.	Replace motor assembly.
Fabric hangs crooked.	Masking System not installed properly.	Check for level and plumb.
	Mask is damaged.	Replace fabric.

LIMITED ONE YEAR WARRANTY ON DA-LITE PRESENTATION PRODUCTS

Milestone AV Technologies LLC warrants certain Da-Lite branded products to the original purchaser only, to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase by the original purchaser; provided they are properly operated according to Da-Lite's instructions and are not damaged due to improper handling or treatment after shipment from the factory.

This warranty does not apply to equipment showing evidence of misuse, abuse or accidental damage, or which has been tampered with or repaired by a person other than authorized Da-Lite personnel.

Da-Lite's sole obligation under this warranty shall be to repair or to replace (at Da-Lite's option) the defective part of the merchandise. Returns for service should be made to your Da-Lite dealer. If it is necessary for the dealer to return the screen or part to Da-Lite, transportation expenses to and from Da-Lite are payable by the purchaser and Da-Lite is not responsible for damage in shipment. To protect yourself against damage or loss in transit, insure the product and prepay all transportation expenses.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES AS TO FITNESS FOR USE AND MERCHANTABILITY. Any implied warranties of fitness for use, or merchantability, that may be mandated by statute or rule of law are limited to the one (1) year warranty period. This warranty gives you specific legal rights, and you may also have other rights, which vary from state-to-state. **TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, NO LIABILITY IS ASSUMED FOR EXPENSES OR DAMAGES RESULTING FROM INTERRUPTION IN OPERATION OF EQUIPMENT, OR FOR INCIDENTAL, DIRECT, OR CONSEQUENTIAL DAMAGES OF ANY NATURE.**

In the event that there is a defect in materials or workmanship of a Da-Lite product, you may contact our Sales Partners at PO Box 137, Warsaw, IN 46581-0137, (574) 267-8101, (800) 622-3737.

IMPORTANT: THIS WARRANTY SHALL NOT BE VALID AND DA-LITE BRANDED PRODUCTS SHALL NOT BE BOUND BY THIS WARRANTY IF THE PRODUCT IS NOT OPERATED IN ACCORDANCE WITH THE DA-LITE WRITTEN INSTRUCTIONS.

Keep your sales receipt to prove the date of purchase and your original ownership.

DA-LITE®

A Milestone AV Technologies Brand

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